

ANC ENZYME SOLUTIONS PTE LTD

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MIW300P

Product Specifications:

MIW300P Municipal and Industrial Waste Digester is used in improving the efficiency and odor control in varieties of industry and municipal wastewater treatment plant facility.

MIW300P Municipal and Industrial Waste Digester contains powerful waste digesting enzymes, essential nutrients and specifically selected strains of enzyme producing bacteria to degrade all the principle organic constituents normally found in municipal and industrial wastewater treatment facilities.

Benefits:

- Reduces BOD, COD and SS in municipal and industrial wastewater treatment effluent.
- Improves rapid recovery time from upsets.
- Increases municipal and industrial wastewater treatment systems capacity.
- Improves floc settling formation, thus prevent bulking sludge.
- Improves waste degradation of specific target compounds.
- Enable to absorb the shock of toxic influent.
- Enhances the stability of municipal and industrial wastewater treatment systems.
- Enhances odor control through natural organic acid oxidation.
- Environmental friendly, biodegradable component for broader activity spectrum.

Direction for use and application rate:

Initial treatment of any waste system should be **four** times the volume of **MIW300P Municipal and Industrial Waste Digester** required for normal preventative maintenance. As a general rule, normal preventative maintenance is **2 ppm** of **MIW300P Municipal and Industrial Waste Digester** per day, determined by the total weight of the wastewater in the system.

Example: In a 100 cum³ wastewater treatment plant systems, multiply 100 cum³ by 1 000 liter/cum³ by 1 kg per liter by 2 parts and divided by 1 000 000. This equals 200 g of **MIW300P[®] Waste Digester** per day to be used for normal preventative maintenance treatment.

$100 \text{ cum}^3 \times 1\,000 \text{ liter/cum}^3 \times 1 \text{ kg/l} \times 2 \text{ parts} = 200 \text{ g/day}$

1 000 000

Flow rate can also be used to determine the volume of **MIW300P Municipal and Industrial Waste Digester** required for normal preventative maintenance. Calculate the weight of the total organic contaminated wastewater flowing into the waste treatment system and add **5 to 10 ppm** of **MIW300P Municipal and Industrial Waste Digester** by weight. During normal maintenance program, the point of application should be in an area which allows the product the maximum time in the system

These normal preventative maintenance rates are based upon:

- BOD ranges of 250 to 500 mg/l
- Minimum retention of 1 day.
- Optimum pH range of 6.5 to 7.5
- Maximum water depth of 3 meters
- Negative effects on biological growth rates are possible in the presence of varying concentrations of heavy metal in the mix liquor solution. i.e. mercury, hexavalent chromium and inorganic cyanide wastes.

Physical characteristics:

Appearance: Medium tan, free flowing powder with fermented odor.

Effective temperature: Min. 10, - 60 °C

Effective pH range: Min. 4 - 10

Effective dissolve oxygen (DO): Min. 2, Max. 3

Carbon/Nitrogen: Min. 10:1, Max. 20:1

Shelf life: Min. 2 years Do not use in the presence of acids or caustics.

Storage condition:

For optimal shelf life, the product is best stored in cool areas under 38°C. Do not direct in sunlight. Keep container tightly closed when the product is not being removed the container.

Precaution:

See above storage conditions. Keep out of reach of children.

Package size:

50 kilogram drum.